

Appln. No. 10/812,253 filed March 29, 2004  
Amendment and Response to Office Action of December 29, 2004  
Attorney Docket No.: TSMC2003-1245 (N1280-00220)

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/812,253

Applicant: Hau-Tai Shieh

**RESPONSE TO OFFICE ACTION  
MAILED 12/29/2004**

Title: RIPPLE REFRESH CIRCUIT AND  
METHOD FOR SEQUENTIALLY  
REFRESHING A SEMICONDUCTOR  
MEMORY SYSTEM

Filed: March 29, 2004

Atty. Docket No.: TSMC2003-1245

Atty. Ref. No.: N1280-00220

Examiner: Dang T. Nguyen

ArtUnit: 2824

Confirmation No.: 2744

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Commissioner for Patents and Trademark  
MAILSTOP AMENDMENT  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Dear Sir:

This Amendment and Response is in response to the Office Action mailed on December 29, 2004. Please amend the above-identified application as indicated below. Applicant respectfully requests reconsideration of the application based on the amendments and remarks provided.

**Amendments to the Drawings** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks** begin on page 7 of this paper.